

FLOOR JOISTS

30# LIVE LOAD 25# DEAD LOAD L/360

Table FJ-2

Design Criteria: *Strength* - 30 lbs. per sq. ft. live load, plus 25 lbs. per sq. ft. dead load.

Deflection - Limited in span in inches divided by 360 for live load only.

Species or Group		Grade		Span (feet and inches)															
				2 x 6				2 x 8				2 x 10				2 x 12			
				spacing on center															
12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"				
Douglas Fir-Larch	Sel. Struc.	12-6	11-4	10-8	9-11	16-6	15-0	14-1	12-10	21-0	19-1	17-6	15-8	25-7	22-3	20-4	18-2		
	No.1 & Btr.	12-3	11-1	10-2	9-1	16-2	14-1	12-10	11-6	19-10	17-2	15-8	14-0	23-0	19-11	18-2	16-3		
	No.1	11-8	10-2	9-3	8-3	14-10	12-10	11-9	10-6	18-1	15-8	14-4	12-10	21-0	18-2	16-7	14-10		
	No.2	11-1	9-7	8-9	7-10	14-1	12-2	11-1	9-11	17-2	14-11	13-7	12-2	19-11	17-3	15-9	14-1		
	No.3	8-6	7-4	6-8	6-0	10-9	9-4	8-6	7-7	13-1	11-4	10-4	9-3	15-3	13-2	12-0	10-9		
Douglas Fir-South	Sel. Struc.	11-3	10-3	9-8	8-11	14-11	13-6	12-9	11-10	19-0	17-3	16-3	14-11	23-1	21-0	19-3	17-3		
	No.1	11-0	9-9	8-11	8-0	14-3	12-4	11-3	10-1	17-5	15-1	13-9	12-4	20-2	17-6	16-0	14-3		
	No.2	10-9	9-4	8-6	7-8	13-8	11-10	10-10	9-8	16-8	14-6	13-2	11-10	19-4	16-9	15-4	13-8		
	No.3	8-3	7-2	6-7	5-10	10-6	9-1	8-3	7-5	12-10	11-1	10-1	9-1	14-10	12-10	11-9	10-6		
Hem-Fir	Sel. Struc.	11-10	10-9	10-1	9-4	15-7	14-2	13-4	12-4	19-10	18-0	16-11	15-2	24-2	21-6	19-8	17-7		
	No.1 & Btr.	11-7	10-6	9-8	8-8	15-3	13-6	12-4	11-0	19-0	16-5	15-0	13-5	22-0	19-1	17-5	15-7		
	No.1	11-7	10-0	9-2	8-2	14-8	12-8	11-7	10-4	17-11	15-6	14-2	12-8	20-9	18-0	16-5	14-8		
	No.2	10-10	9-4	8-6	7-8	13-8	11-10	10-10	9-8	16-8	14-6	13-2	11-10	19-4	16-9	15-4	13-8		
	No.3	8-3	7-2	6-7	5-10	10-6	9-1	8-3	7-5	12-10	11-1	10-1	9-1	14-10	12-10	11-9	10-6		
Spruce-Pine-Fir (South)	Sel. Struc.	11-0	10-0	9-5	8-9	14-6	13-2	12-5	11-6	18-6	16-10	15-10	14-7	22-6	20-6	18-11	16-11		
	No.1	10-9	9-6	8-8	7-9	13-10	12-0	11-0	9-10	16-11	14-8	13-5	12-0	19-8	17-0	15-6	13-11		
	No.2	10-4	8-11	8-2	7-3	13-1	11-4	10-4	9-3	15-11	13-10	12-7	11-3	18-6	16-0	14-7	13-1		
	No.3	7-10	6-10	6-2	5-7	9-11	8-7	7-10	7-0	12-2	10-6	9-7	8-7	14-1	12-2	11-2	10-0		
Western Woods	Sel. Struc.	10-9	9-7	8-9	7-10	14-1	12-2	11-1	9-11	17-2	14-11	13-7	12-2	19-11	17-3	15-9	14-1		
	No.1	9-7	8-4	7-7	6-10	12-2	10-7	9-8	8-7	14-11	12-11	11-9	10-6	17-3	14-11	13-8	12-2		
	No.2	9-7	8-4	7-7	6-10	12-2	10-7	9-8	8-7	14-11	12-11	11-9	10-6	17-3	14-11	13-8	12-2		
	No.3	7-2	6-2	5-8	5-1	9-1	7-10	7-2	6-5	11-1	9-7	8-9	7-10	12-10	11-2	10-2	9-1		